



Figure 1

097346 08304

FIGURE 2

OST114198 OC8729 (Similar To: AA791497)  
OST116050 OC11313 (Similar To: AA474901)  
OST116739 OC1355 (Similar To: AA563095)  
OST118079 OC11070 (Similar To: AI157392)  
OST123840 OC17436 (Similar To: AA693056)  
OST125603 OC10138 (Similar To: AA338690)  
OST123893 OC8202 (Similar To: AV126723)  
OST126932 OC21547 (Similar To: AI606698)  
OST125827 OC21569 (Similar To: AA545258)  
OST125898 OC21575 (Similar To: AI114955)  
OST125959 OC21590 (Similar To: AI840235)  
OST125983 OC21597 (Similar To: AI552250)  
OST126022 OC21604 (Similar To: AA538375)  
OST127436 OC21618 (Similar To: AI851301)  
OST126343 OC21653 (Similar To: AI428823)  
OST126359 OC21657 (Similar To: AI504897)  
OST126387 OC21660 (Similar To: AI747018)  
OST126431 OC21666 (Similar To: AA444250)  
OST126449 OC21667 (Similar To: AA014831)  
OST126476 OC21672 (Similar To: AI228158)  
OST126598 OC21686 (Similar To: AA013850)  
OST126608 OC14104 (Similar To: AA239671)  
OST126665 OC21692 (Similar To: AI549163)  
OST126670 OC21693 (Similar To: AI552025)  
OST126720 OC21698 (Similar To: AA162305)  
OST126723 OC21699 (Similar To: AA472426)  
OST126744 OC21703 (Similar To: AI505521)  
OST126769 OC21709 (Similar To: AV145606)  
OST126790 OC21715 (Similar To: AV093215)  
OST126811 OC21720 (Similar To: AI046973)  
OST126834 OC21724 (Similar To: AV118743)  
OST126866 OC21728 (Similar To: AA098144)  
OST126880 OC21731 (Similar To: AI848309)  
OST126886 OC21732 (Similar To: AA914442)  
OST126897 OC21733 (Similar To: AI573780)  
OST126922 OC21736 (Similar To: AI037622)  
OST126931 OC21737 (Similar To: AA881319)  
OST126935 OC21738 (Similar To: AA791478)  
OST127035 OC21760 (Similar To: AA259605)  
OST127054 OC8809 (Similar To: AI449209)  
OST127105 OC21772 (Similar To: AA816228)  
OST127133 OC21779 (Similar To: AI788152)

OST127174	OC21782	(Similar To: AA030194)
OST127191	OC21784	(Similar To: AA259844)
OST127336	OC21811	(Similar To: AA387782)
OST127346	OC21817	(Similar To: AA153672)
OST127423	OC21827	(Similar To: AA086985)
OST127426	OC21828	(Similar To: AI504070)
OST127450	OC21833	(Similar To: W71511)
OST127506	OC21843	(Similar To: AA879898)
OST127509	OC21845	(Similar To: AI427240)
OST127692	OC21868	(Similar To: AA050351)
OST127753	OC21878	(Similar To: AA171322)
OST127762	OC21880	(Similar To: AA036177)
OST127804	OC21889	(Similar To: AI506403)
OST127808	OC21890	(Similar To: AA990330)
OST127812	OC21891	(Similar To: AA200668)
OST127875	OC21903	(Similar To: AA410072)
OST127964	OC21904	(Similar To: AI647908)
OST127895	OC21906	(Similar To: AI647487)
OST128006	OC21922	(Similar To: AA763225)
OST128014	OC21923	(Similar To: AI120288)
OST128043	OC21930	(Similar To: AA139270)
OST128083	OC21938	(Similar To: AA562445)
OST128107	OC21943	(Similar To: AI194439)
OST128109	OC21944	(Similar To: AI194439)
OST128111	OC21945	(Similar To: AI194439)
OST128128	OC21948	(Similar To: AI385966)
OST128208	OC21956	(Similar To: AI450276)
OST128285	OC21966	(Similar To: AA241808)
OST128304	OC21968	(Similar To: C89508)
OST128356	OC21972	(Similar To: AA152982)
OST128373	OC21973	(Similar To: AA546519)
OST128407	OC21979	(Similar To: AA271059)
OST128415	OC21980	(Similar To: AA137957)
OST128425	OC21982	(Similar To: AA408830)
OST128534	OC21993	(Similar To: AA967255)
OST128584	OC22002	(Similar To: AI661305)
OST128632	OC22009	(Similar To: AA764230)
OST128683	OC22019	(Similar To: AV043661)
OST128739	OC22029	(Similar To: AA718379)
OST128770	OC22036	(Similar To: AI449409)
OST128774	OC22037	(Similar To: AA833329)
OST128780	OC22040	(Similar To: AI604451)
OST128813	OC22044	(Similar To: AA175580)
OST128880	OC22051	(Similar To: AI789522)

09773476-083001

OST128900 OC22054 (Similar To: AI303317)  
OST128952 OC22061 (Similar To: AI605196)  
OST128969 OC22063 (Similar To: X98200)  
OST128996 OC22071 (Similar To: AI558020)  
OST129092 OC22082 (Similar To: AA063763)  
OST129144 OC22094 (Similar To: AI159233)  
OST129154 OC22097 (Similar To: AI427595)  
OST129160 OC22099 (Similar To: AA033432)  
OST129305 OC22112 (Similar To: AA866930)  
OST129385 OC13840 (Similar To: AA254573)  
OST129429 OC22122 (Similar To: W53703)  
OST129445 OC22124 (Similar To: AA863736)  
OST129465 OC22127 (Similar To: AI838686)  
OST129501 OC22132 (Similar To: AI467473)  
OST129561 OC22139 (Similar To: AA061868)  
OST129566 OC22140 (Similar To: AV080665)  
OST129573 OC22142 (Similar To: AA549116)  
OST129580 OC22143 (Similar To: AU051119)  
OST129671 OC22154 (Similar To: AU045249)  
OST129867 OC22172 (Similar To: AI466419)  
OST129972 OC22186 (Similar To: AI614350)  
OST129991 OC22189 (Similar To: AI116579)  
OST130005 OC22192 (Similar To: AI787856)  
OST130017 OC22194 (Similar To: AI852799)  
OST130049 OC22200 (Similar To: AA881601)  
OST130098 OC22207 (Similar To: AA546519)  
OST130135 OC22213 (Similar To: AI550433)  
OST130276 OC22226 (Similar To: AA137855)  
OST130279 OC22227 (Similar To: AI449349)  
OST130376 OC22243 (Similar To: AA080170)  
OST130447 OC22249 (Similar To: AA123768)  
OST130449 OC22250 (Similar To: AI854087)  
OST130296 OC22230 (Similar To: AA036152)  
OST128689 OC22021 (Similar To: AI788442)  
OST127345 OC21816 (Similar To: AI225922)  
OC21558 OST125775, similar to musEST:AA060014  
  
OC21559 OST125776, similar to genpept:4090239  
musEST:AI098805  
OC21562 OST125794, similar to gsp:W84267  
musEST:AA445393  
OC21568 OST125822, similar to genpept:433437  
musEST:AA221654  
OC21576 OST125904, similar to musEST:AI606999



09773476-083001

OC21651 OST126324, similar to sp:P32037  
musEST:AA177312  
OC21652 OST126329, similar to gsp:R78693  
musEST:AI425406  
OC21640 OST126335, similar to genpept:5823528  
musEST:AI115884  
OC21654 OST126345, similar to sp:Q62468  
musEST:AI663456  
OC21658 OST126364, similar to genpept:2707344  
OC21663 OST126416, similar to musEST:AA166560  
  
OC21665 OST126427, similar to gsp:P60956  
musEST:AI181068  
OC21679 OST126539, similar to musEST:AA563095  
  
OC21682 OST126569, similar to sp:P08033  
musEST:AI326489  
OC21687 OST126600, similar to sp:P02362  
musEST:AA796426  
OC21688 OST126626, similar to genpept:3342738  
OC21694 OST126695, similar to gsp:Y12504  
musEST:AA881842  
OC21700 OST126726, similar to sp:Q13796  
OC21708 OST126767, similar to genpept:4322936  
musEST:AA771056  
OC21713 OST126784, similar to sp:P25785  
musEST:AI265017  
OC21701 OST126814, similar to sp:P02584  
musEST:AA027646  
OC21722 OST126821, similar to genpept:3873699  
musEST:AI466983  
OC21723 OST126827, similar to genpept:5931549  
musEST:AA000352  
OC21735 OST126919, similar to sp:Q62193  
musEST:AA266114  
OC21734 OST126921, similar to musEST:AW049303  
  
OC21745 OST126967, similar to gsp:R84638  
OC21750 OST126979, similar to gsp:R54114  
musEST:AI790814  
OC21751 OST126981, similar to sp:009043  
musEST:AA106277  
OC21754 OST126997, similar to genpept:2130632

musEST:AA445762  
 OC21764 OST127062, similar to genpept:2150136  
 musEST:AA152917  
 OC21770 OST127093, similar to sp:P26438  
 musEST:AA688904  
 OC21777 OST127120, similar to genpept:2104558  
 OC21780 OST127138, similar to sp:P13656  
 musEST:AA111068  
 OC21781 OST127154, similar to sp:P41094  
 musEST:AA038290  
 OC21786 OST127219, similar to sp:P21677  
 musEST:AI326744  
 OC21788 OST127227, similar to gsp:W69436  
 musEST:AA688634  
 OC21791 OST127245, similar to humEST:AI693917  
  
 OC21794 OST127266, similar to genpept:2352822  
 musEST:W99912  
 OC21795 OST127273, similar to musEST:W16254  
 OC21802 OST127303, similar to musEST:AA272148  
  
 OC21803 OST127306, similar to genpept:6013425  
 musEST:AI315865  
 OC21815 OST127344, similar to musEST:AW050278  
  
 OC21818 OST127347, similar to gsp:R99737  
 rateEST:AI104838  
 OC21821 OST127379, similar to genpept:4529843  
 musEST:AW045124  
 OC21839 OST127484, similar to musEST:AA071990  
  
 OC21841 OST127492, similar to gsp:Y08404  
 musEST:AI614423  
 OC21842 OST127504, similar to musEST:AA475011  
  
 OC21847 OST127512, similar to musEST:AA197693  
  
 OC21850 OST127536, similar to genpept:5817200  
 OC21862 OST127665, similar to genpept:3319971  
 musEST:AI226514  
 OC21864 OST127676, similar to ratEST:R47117  
 OC21865 OST127677, similar to sp:P23589  
 musEST:AA254829  
 OC21867 OST127687, similar to gsp:W27721

0973476-083001

musEST:AA471799  
OC21869 OST127697, similar to musEST:AA174702  
  
OC21874 OST127740, similar to musEST:AA983032  
  
OC21883 OST127783, similar to sp:Q63450  
musEST:AA983097  
OC21900 OST127843, similar to genpept:2587056  
musEST:AA170916  
OC21902 OST127865, similar to genpept:1469809  
musEST:AI956855  
OC21910 OST127924, similar to gsp:R27281  
musEST:AA794776  
OC21912 OST127926, similar to gsp:W31277  
musEST:AA111486  
OC21917 OST127955, similar to genpept:2911905  
rateEST:AI764348  
OC21929 OST128039, similar to musEST:AA163617  
  
OC21933 OST128051, similar to gsp:R90577  
rateEST:AI549479  
OC21935 OST128072, similar to genpept:4589570  
OC21939 OST128088, similar to sp:P56603  
musEST:AA013693  
OC21946 OST128118, similar to genpept:4519623  
musEST:AA600647  
OC21949 OST128141, similar to genpept:5656743  
musEST:AA003784  
OC21950 OST128146, similar to musEST:W91302  
OC21965 OST128284, similar to sp:O73917  
humEST:T27922  
OC21969 OST128310, similar to genpept:2289902  
OC21975 OST128377, similar to gsp:W89051  
musEST:AI181191  
OC21977 OST128394, similar to genpept:1864159  
musEST:AA272267  
OC21987 OST128465, similar to musEST:AA277062  
  
OC21997 OST128565, similar to genpept:2564328  
rateEST:AI454404  
OC21998 OST128566, similar to musEST:AA867087  
  
OC21999 OST128568, similar to genpept:3879669  
musEST:W53812



0973475-0300  
FOOEBD"944E460

OC22001 OST128580, similar to genpept:1938351  
musEST:AA261400  
OC22006 OST128615, similar to genpept:3319290  
musEST:W34526  
OC22010 OST128636, similar to sp:P56581  
musEST:W98015  
OC22011 OST128638, similar to genpept:2662073  
musEST:AI322529  
OC22013 OST128644, similar to genpept:4959955  
musEST:AA048951  
OC22014 OST128646, similar to musEST:AA545349  
  
OC22023 OST128699, similar to gsp:R10834  
ratEST:AI228538  
OC22025 OST128713, similar to gsp:Y02281  
musEST:W67047  
OC22027 OST128724, similar to musEST:AI119098  
  
OC22041 OST128782, similar to gsp:W19615  
musEST:AA230758  
OC22043 OST128799, similar to gsp:W67858  
musEST:AA756259  
OC22049 OST128861, similar to genpept:639819  
OC22067 OST128979, similar to musEST:AI527717  
  
OC22068 OST128985, similar to genpept:4092930  
OC22072 OST128998, similar to sp:Q07760  
musEST:AA259568  
OC22077 OST129045, similar to musEST:AA666569  
  
OC22078 OST129049, similar to genpept:2623224  
musEST:AA152541  
OC22090 OST129129, similar to genpept:5689523  
OC22091 OST129131, similar to musEST:AA118026  
  
OC22095 OST129145, similar to musEST:AA273526  
  
OC22096 OST129153, similar to musEST:AA255075  
  
OC22102 OST129178, similar to musEST:AA422257  
  
OC22107 OST129272, similar to genpept:3406747  
musEST:AA667941  
OC22114 OST129311, similar to musEST:AW045373

OC22119 OST129408, similar to genpept:4106673  
musEST:AA387520  
OC22134 OST129514, similar to sp:P53395  
musEST:AI172922  
OC22137 OST129542, similar to gsp:Y12658  
musEST:AI596803  
OC22146 OST129608, similar to gsp:W00094  
musEST:AA000225  
OC21620 OST129662, similar to sp:P12367  
musEST:AA066029  
OC22155 OST129778, similar to gsp:R79654  
musEST:AA013850  
OC22166 OST129833, similar to genpept:6019464  
musEST:AA451398  
OC22170 OST129846, similar to sp:P34670  
musEST:AI892537  
OC22174 OST129879, similar to genpept:2895097  
musEST:AI647763  
OC22176 OST129899, similar to genpept:1022718  
musEST:AJ006255  
OC22182 OST129932, similar to genpept:309519  
musEST:AA396024  
OC22185 OST129947, similar to genpept:1065515  
musEST:AA238413  
OC22188 OST129984, similar to gsp:R63789  
musEST:W53729  
OC22202 OST130060, similar to sp:Q22067  
musEST:AA061300  
OC22204 OST130074, similar to genpept:5080758  
musEST:AI118868  
OC22205 OST130085, similar to sp:O74893  
musEST:AA033437  
OC22217 OST130203, similar to sp:Q60696  
musEST:W14130  
OC22219 OST130223, similar to genpept:2047352  
musEST:AA028667  
OC22237 OST130324, similar to genpept:437444  
musEST:AI152168  
OC22238 OST130338, similar to sp:P38663  
musEST:AA154668  
OC22240 OST130345, similar to musEST:AA183581  
OC22256 OST130521, similar to musEST:AA023471

09773476.083001

OC22258 OST130525, similar to gsp:R79455  
musEST:AI225401  
OC22259 OST130530, similar to genpept:3986767  
musEST:AA119175  
OC22263 OST130551, similar to musEST:AA427129  
  
OC22265 OST130573, similar to musEST:AI429109  
  
OC22266 OST130574, similar to gsp:W73473  
ratEST:AA965120  
OC22267 OST130592, similar to musEST:AV145872  
  
OC22269 OST130625, similar to sp:P51655  
musEST:AI893963  
OC22272 OST130648, similar to sp:O89086  
musEST:W97917  
OC22274 OST130673, similar to musEST:AI429614  
  
OC22276 OST130686, similar to genpept:5348334  
musEST:W07885  
OC22278 OST130691, similar to musEST:AI846903  
  
OC22281 OST130698, similar to sp:P56545  
musEST:AA034811  
OC22284 OST130708, similar to genpept:6018317  
musEST:AI415003  
OC22293 OST130758, similar to genpept:469478  
musEST:AA014327  
OC22294 OST130759, similar to musEST:AA571382  
  
OC22295 OST130776, similar to sp:P04073  
musEST:AA120315  
OC22300 OST130803, similar to genpept:2177174  
musEST:AA034723  
OC22303 OST130832, similar to musEST:AA286000  
  
OC22304 OST130836, similar to musEST:AA930456  
  
OC22305 OST130839, similar to musEST:AI851387  
  
OC22306 OST130840, similar to musEST:AA414925  
  
OC22008 OST130841, similar to gsp:W85610

09773476-083001

musEST:AI226464  
OC22307 OST130844, similar to genpept:469478  
musEST:AA014327  
OC22317 OST130884, similar to musEST:AA259430  
  
OC22320 OST130905, similar to sp:O15265  
OC22321 OST130908, similar to musEST:AI605583  
  
OC22322 OST130911, similar to genpept:1142640  
musEST:AA718206  
OC22324 OST130918, similar to musEST:W70839  
OC22338 OST131025, similar to genpept:4589670  
OC22339 OST131026, similar to gsp:W42400  
musEST:AW044949  
OC22340 OST131039, similar to genpept:1710988  
musEST:AA549145  
OC22341 OST131043, similar to genpept:3242764  
musEST:AA790651  
OC22343 OST131055, similar to musEST:AA691691  
  
OC22344 OST131056, similar to sp:P22978  
musEST:AA763541  
OC22346 OST131079, similar to gsp:W27087  
musEST:AA981010  
OC22347 OST131086, similar to genpept:4689258  
musEST:AA624926  
OC22354 OST131121, similar to musEST:AA874608  
  
OC22356 OST131128, similar to genpept:3135309  
musEST:AI465009  
OC22365 OST131207, similar to gsp:W28866  
musEST:AI430135  
OC22366 OST131217, similar to musEST:AA260908  
  
OC22367 OST131226, similar to musEST:AW048792  
  
OC22370 OST131265, similar to gsp:R88555  
musEST:AA239928  
OC22372 OST131278, similar to genpept:1552275  
musEST:AA895031  
OC22377 OST131313, similar to genpept:4151036  
musEST:AA796275  
OC22394 OST131453, similar to gsp:W37148  
musEST:W13849



09773476-083001

musEST:AA067351  
OC22910 OST134965, similar to genpept:1710188  
musEST:AW049887  
OC22885 OST135042, similar to genpept:5081824,  
similar to musEST:AA080020 OC22843  
OST135056, similar to musEST:C89549  
OC22773 OST135075, similar to sp:Q10430,  
similar to musEST:AA691890  
OC22798 OST135085, similar to sp:P06366  
ratEST:AA684774  
OC23023 OST135099, similar to musEST:AI391324  
  
OC22939 OST135124, similar to musEST:AA079996